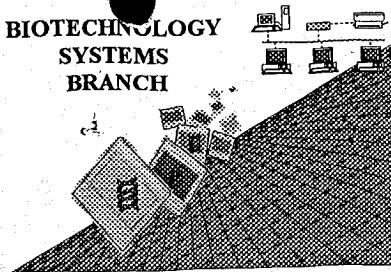


RAW SEQUENCE LISTING **ERROR REPORT**

BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/725,752

Source: OIPR

Date Processed by STIC: 6/5/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 09/725,752

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line. This may occur if your file
 Wrapped Aminos was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will
 prevent "wrapping."

- 2 ✓ Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.

- 3 Misaligned Amino The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers;
 Numbering use space characters, instead.

- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please
 ensure your subsequent submission is saved in ASCII text.

- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules,
 each n or Xaa can only represent a single residue. Please present the maximum number of each
 residue having variable length and indicate in the <220>-<223> section that some may be missing.

- 6 PatentIn 2.0 A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
 "bug" sequences(s) . Normally, PatentIn would automatically generate this section from the
 previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to
 the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for
 Artificial or Unknown sequences.

- 7 Skipped Sequences Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (OLD RULES) (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

- 8 Skipped Sequences Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 (NEW RULES) <210> sequence id number
 <400> sequence id number
 000

- 9 Use of n's or Xaa's Use of n's and/or Xaa's have been detected in the Sequence Listing.
 (NEW RULES) Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

- 10 Invalid <213> Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or
 Response scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or
 is Artificial Sequence

- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or
 "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

- 12 PatentIn 2.0 Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file,
 "bug" resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence
 listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/725,752

DATE: 07/03/2001
TIME: 09:20:57

Input Set: I725752.RAW

This Raw Listing contains the General
Information Section and those Sequences
containing ERRORS.

1 <110> Welfide Corporation
2 <120> Reagent for Diagnosis of Crohn's disease
3 <130> 20775
4 <150> JP 2000-162858
5 <151> 2000-05-31
6 <160> 14
7 <170> PatentIn Ver. 2.0

Does Not Comply
Corrected Diskette Needed

pp 1-4

ERRORED SEQUENCES FOLLOW

8 <210> 2
9 <211> 20
10 <212> DNA
11 <213> Artificial Sequence
12 <220> ~~12237~~
E--> 13 ~~<233>~~ Oligonucleotide designed to act as primer for RT-PCR of PP6 regulated by what?
14 <400> 2
15 tcgtgcccac tgaataacaa 20

See item 2 on
Erra Summary Sheet

16 <210> 3
17 <211> 20
18 <212> DNA
19 <213> Artificial Sequence
20 <220> same erra - use 12237
E--> 21 ~~<233>~~ oligonucleotide designed to act as primer for RT-PCR of TNIK mRNA.
22 <400> 3
23 tggttcacac actggtttcc 20

24 <210> 8
E--> 25 <211> 22
26 <212> DNA
27 <213> Artificial Sequence
28 <220>
29 <223> Oligonucleotide designed to act as primer for RT-PCR of FLIPS mRNA.
30 <220>
31 <223> Oligonucleotide designed to act as primer for RT-PCR of GR mRNA.
E--> 32 <400> 9
33 cctaaggacg gtctcaagag c 21

See P. 3 for explanation

OK
34 <210> 10
35 <211> 20
36 <212> DNA

PAGE: 2

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/725,752

DATE: 07/03/2001
TIME: 09:20:57

Input Set: I725752.RAW

37 <213> Artificial Sequence
38 <220>
39 <223> Oligonucleotide designed to act as primer for RT-PCR of GR mRNA.
40 <400> 10
41 gcccaagtctt ggccctctat 20

E--> 42 <210> 11
E--> 43 <211> 19
44 <212> DNA
45 <213> Artificial Sequence
46 <220>
47 <223> Oligonucleotide designed to act as primer for RT-PCR of cytochrome oxidase
48 subunit I
49 mRNA.
50 <220>
51 <223> Oligonucleotide designed to act as primer for RT-PCR of cytochrome oxidase
52 subunit I
53 mRNA.
E--> 54 <400> 12
55 ggggaatgct ggagattgta 20

OK 56 <210> 13
57 <211> 20
58 <212> DNA
59 <213> Artificial Sequence
60 <220>
61 <223> Oligonucleotide designed to act as primer for RT-PCR of cytochrome b mRNA.
62 <400> 13
63 cacatcaagc ccgaatgata 20

09/725,752 3

<210> 8
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide designed to act as primer for RT-PCR of FLIPS mRNA.

<400> <440> 8
cacatggaac aatttccaag aa 22

09/05, 752 4

<210> 11
<211> 19
<212> DNA
<213> Artificial Sequence

<220>

<223> Oligonucleotide designed to act as primer for RT-PCR of cytochrome oxidase subunit I

mRNA.

mal rye

<400>

<440> 11

acgcactctc ccctgaact

19

VERIFICATION SUMMARY
PATENT APPLICATION US/09/725,752

DATE: 07/03/2001
TIME: 09:20:57

Input Set: I725752.RAW

Line	Error/Warning	Original Text
8	E # of Seq. 14 Not Equal Actual 12	<160> 14
13	E Invalid Numeric Identifier	<233> Oligonucleotide designed to act as
21	E Invalid Numeric Identifier	<233> oligonucleotide designed to act as
25	E Input 22, Calc# Bases 21 differ	<211> 22
32	E Sequence IDs 9 and 8 differ	<400> 9
34	E Seq.# 9 missing	<210> 10
42	E Wrong Sequence Number:11	<210> 11
43	E Input 19, Calc# Bases 20 differ	<211> 19
54	E Sequence IDs 12 and 11 differ	<400> 12
56	E Seq.# 12 missing	<210> 13